

Table 1

**1984 Live Births to Residents of  
Guilford County, North Carolina  
By Source of Prenatal Care, Birthweight,  
and Selected Risk Factors for Low Birthweight**

	Source of Prenatal Care		
	Public Health Department	Private Practice Physician Through Medicaid	All Other
Number of Births	396	362	3279
<b>Percents</b>			
Under 2500 Grams	8.3	19.3	7.1
Nonwhite	65.4	81.5	25.2
Unmarried	60.6	86.7	12.5
Age under 18	17.2	13.5	4.2
Education <12 years	47.8	45.6	14.9
Multiple Birth	2.8	3.9	1.9
Previous Fetal or Live-Born Death	20.2	24.3	20.3
Not on WIC	22.5	55.5	94.4
Prenatal Care Not Adequate in Quantity (Kessner Index)	44.0	38.2	14.2

Table 2

**Estimated Relative Odds of Low Birthweight  
With Presence of Selected Risk Factors\*  
(1984 Guilford County Health Department and Medicaid Births, N = 758)**

Risk Factor	Relative Odds	p
Nonwhite	1.58	.18
Unmarried	1.80	.11
Age under 18	1.92	.06
Education <12 Years	.86	.57
Multiple Birth	18.60	<.0001
Previous Fetal or Live-Born Death	1.94	.01
Not on WIC	1.60	.06
Prenatal Care not Adequate (Quantity)	1.37	.18
Medicaid Provider of Care (vs. Health Dept.)	2.08	.007

\*These odds are derived from a logistic regression model and refer to the relative likelihood of a woman with the characteristic delivering a low-weight baby compared to a woman without the characteristic. These are **independent** effects, i.e., after controlling for the effects of all other variables in the model. The p values refer to the probability that this effect is due to random variation, given the sample size (758) and relative frequency of the variable (1 or 0). The model likelihood ratio chi-square for testing the joint significance of all variables in the model is 78.82 with 9 degrees of freedom,  $p < .01$ .